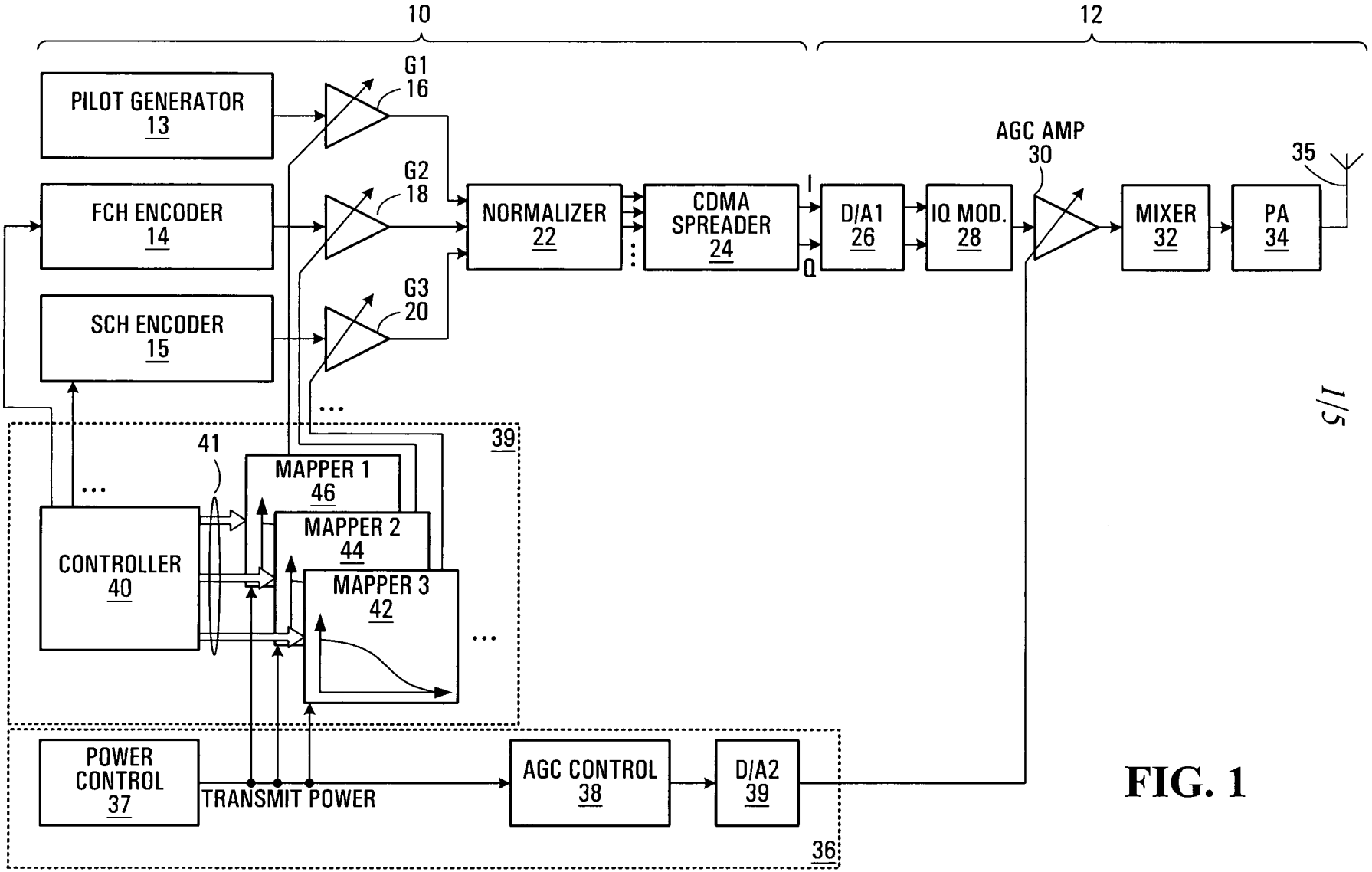
10
12
PILOT GENERATOR
13
FCH ENCODER
14
SCH ENCODER
15
G1
16
G2
18
G3
20
NORMALIZER
22
CDMA
SPREADER
24
I
Q
D/A1
26
IQ MOD.
28
AGC AMP
30
MIXER
32
PA
34
35
39
41
MAPPER 1
46
MAPPER 2
44
MAPPER 3
42
CONTROLLER
40
POWER
CONTROL
37
TRANSMIT POWER
AGC CONTROL
38
D/A2
39
36

FIG. 1

1/5

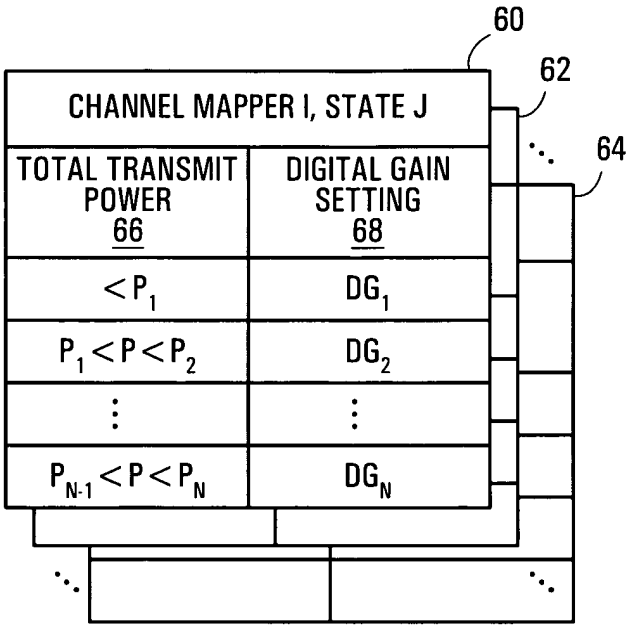
60
62
64
CHANNEL MAPPER I, STATE J
TOTAL TRANSMIT POWER 66
DIGITAL GAIN SETTING 68
$< P_1$
DG_1
$P_1 < P < P_2$
DG_2
$P_{N-1} < P < P_N$
DG_N

FIG. 2

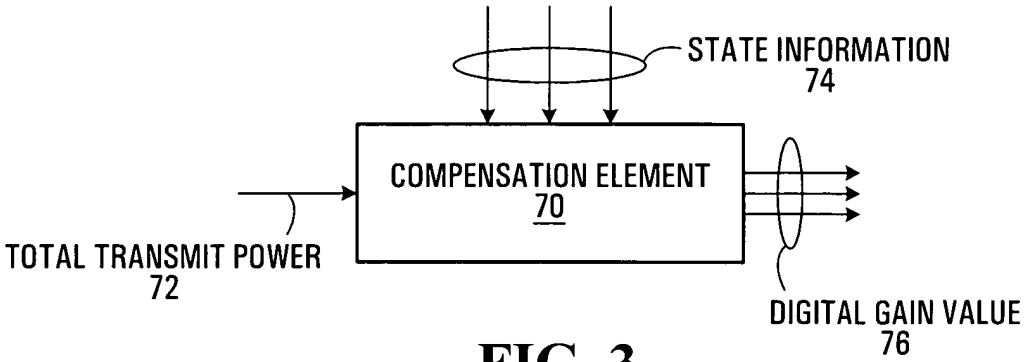
STATE INFORMATION 74
COMPENSATION ELEMENT 70
TOTAL TRANSMIT POWER 72
DIGITAL GAIN VALUE 76

FIG. 3

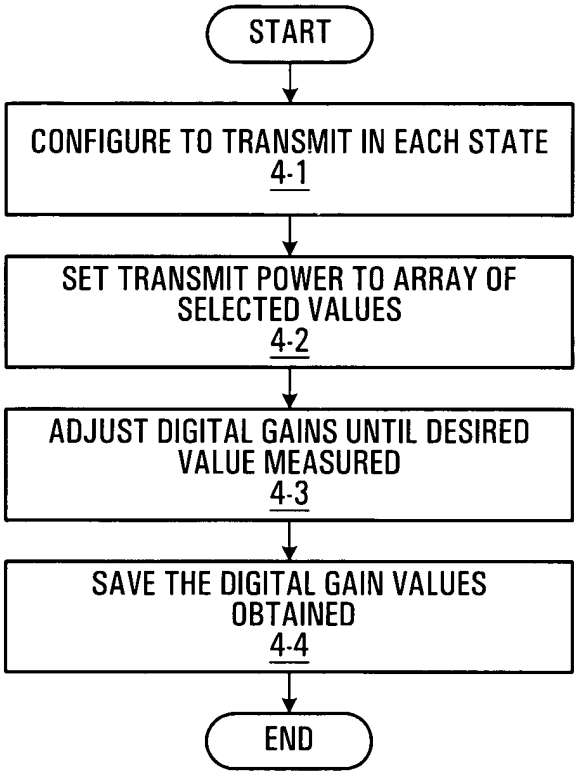
START
CONFIGURE TO TRANSMIT IN EACH STATE
4-1
SET TRANSMIT POWER TO ARRAY OF SELECTED VALUES
4-2
ADJUST DIGITAL GAINS UNTIL DESIRED VALUE MEASURED
4-3
SAVE THE DIGITAL GAIN VALUES OBTAINED
4-4
END

FIG. 4

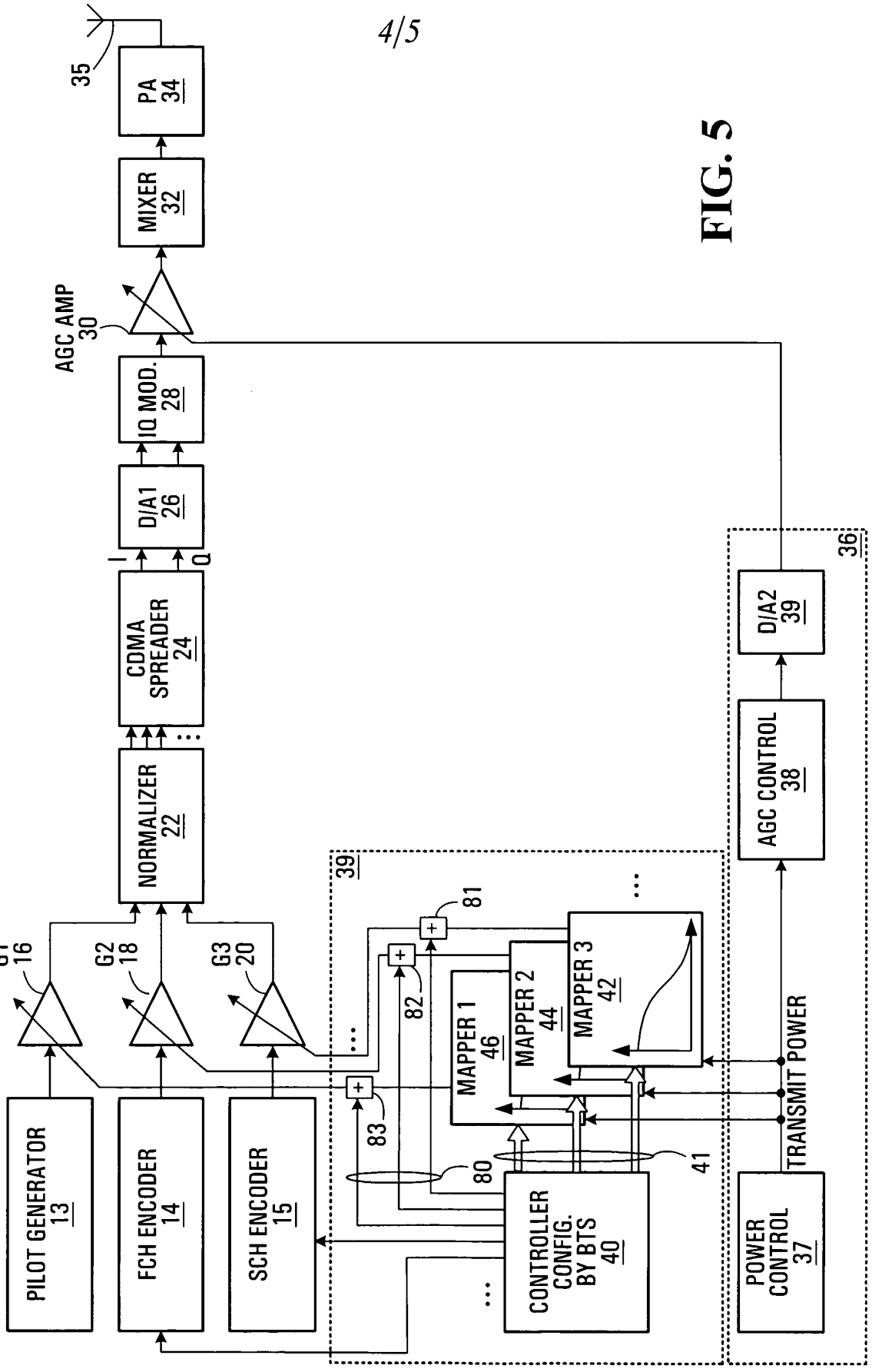
35
PA 34
MIXER 32
AGC AMP 30
IQ MOD. 28
D/A1 26
I
Q
CDMA SPREADER 24
NORMALIZER 22
G1 16
G2 18
G3 20
PILOT GENERATOR 13
FCH ENCODER 14
SCH ENCODER 15
39
81
82
83
80
41
MAPPER 1 46
MAPPER 2 44
MAPPER 3 42
CONTROLLER CONFIG. BY BTS 40
36
D/A2 39
AGC CONTROL 38
TRANSMIT POWER
POWER CONTROL 37

FIG. 5

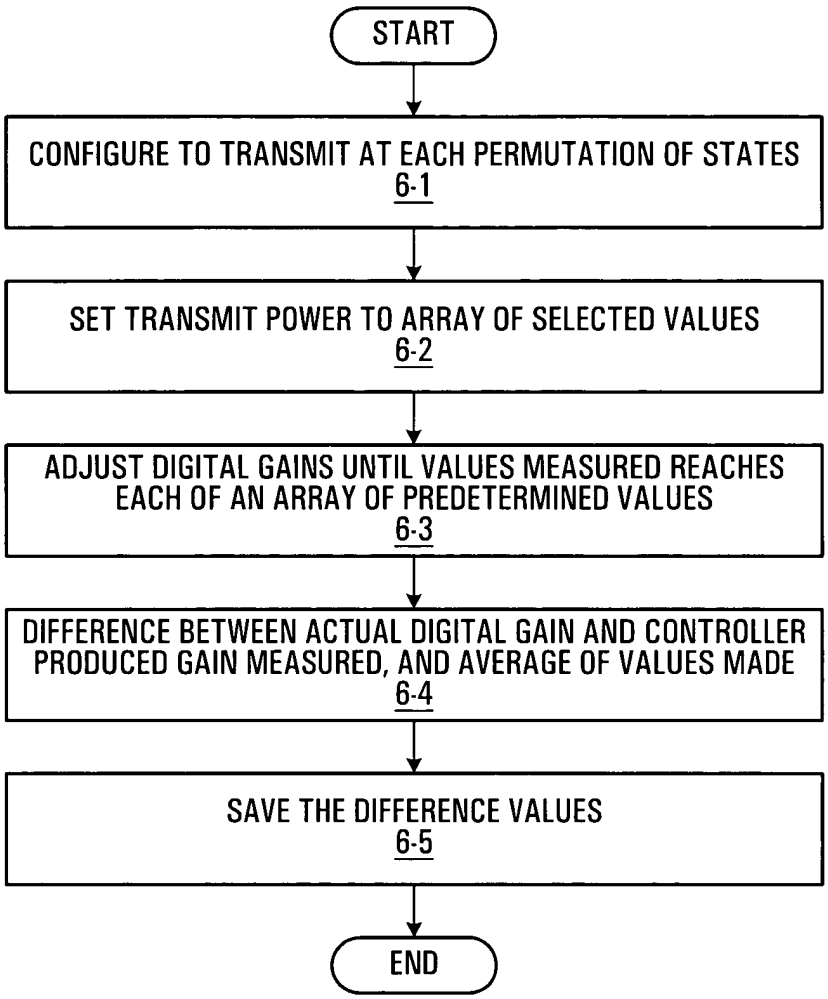

FIG. 6

CHANNEL MAPPER I, STATE J, $P_0 < P <= P_1$	
NOMINAL GAIN 80	COMPENSATED GAIN 82

FIG. 7